Commercial Remote Sensing Space Policy (CRSSP) Imagery-Derived Requirements (CIDR) Tool User Guide

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The CRSSP Imagery-Derived Requirements (CIDR) Tool enables U.S. Federal civil agencies to enter near-term land remote sensing data requirements. Commercial satellite and aerial vendors also have the capability to enter plans for data acquisition for geographic areas of interest. CIDR is a component to the Commercial Remote Sensing Space Policy (CRSSP) http://crssp.usgs.gov/.

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Accessing the CIDR Tool

http://cidr.usgs.gov

A Federal USGS-registered username is required to enter new or modify existing requirements. Active Federal users of the EarthExplorer or GloVis websites can use the same username and password to access CIDR.

If you do not have an active Federal USGS username, click ‘Become a USGS registered user” on the CIDR Tool homepage (http://cidr.cr.usgs.gov/).

Guests can access CIDR to search and view requirements only.

Any questions about accessing the CIDR tool can be sent to crssp@usgs.gov.

After successful login, the CIDR Tool Home page will be displayed.

Adding a New Requirement

After a successful login, click ‘Add New Requirement’. Four sections need to be completed in order to successfully submit a new requirement. **Bold** fields are required entries within each section, before you can move on to the next section.

1. **Mission**

   a. **Requirement Type:** Select Data Request or Planned Data Acquisition. If already-archived or future data acquisitions are needed, select Data Request.
   If imagery acquisitions are already planned and funded, select Planned Data Acquisition.
   b. **Point of Contact (POC):** The Name, Affiliation, Department, and **Agency** fields are pre-populated from the USGS Registration profile. These can be modified if necessary.
   c. **Program Project/Requirement Name:** Enter the name of the project.
   d. Project Description: Enter details about the area and/or project.
   e. Primary Mission/Application: Describe how the data will be used, if applicable.
   f. Observables: Describe what will be investigated within the area of interest.
   g. Requirement Mission Priority: Select the priority of this data to the mission.

2. **Requirements:**

   a. **Spatial Resolution:** Select the lowest (coarsest) resolution desired
   b. **Spectrum:** Select the desired spectrum.
   c. **Platform Preference:** Select the desired platform.
   d. Other Platform Acceptable: If an alternative platform is acceptable, select ‘Yes’.
   e. **Target Imagery Dates**: Select dates for archived imagery to be searched, and/or new collects scheduled.
   f. Descriptive: Special notes regarding target imagery dates
   g. Latest Data Delivery Date: Enter the latest date that data delivery will be acceptable. (This cannot be guaranteed.)
   h. Acceptable License Restriction: Select license restrictions, if desired.
   i. Cloud Cover Max %: Select the maximum percentage of cloud cover that will be acceptable.
   j. Horizontal Accuracy Needs: Select one value, relating to either Circular Error or NMAS. Circular Error=meters, NMAS (National Map Accuracy Standards) =scale.
   k. Vertical Accuracy Needs: Enter a value and select either ‘meters’ or ‘feet’.

l. Processing: Choose the level of processing desired.
m. Value-Added Processing: Choose the level of value-added processing desired.

3. Area of Interest:

You can upload previously created shapefiles, KML files, use the map to create a Bounding Box to draw a polygon of the area of interest, or enter coordinates into the boxes.
Shapefiles in Geographic Coordinate System, WGS84, and Lat/Long Coordinates are preferred and allow the Requirement to be validated quickly.

A description of the area of interest (AOI) can also be included on this page.

4. Funding:

a. **Fiscal Year:** Choose the Fiscal Year that is relevant for the Requirement.
b. **Intended Method to Obtain Data:** Choose how the data is to be obtained.
c. Funding Partnership: Select if there is any partnership with the Requirement.
d. Funding/Potential Funding: Enter the value of the funding/potential funding
e. Funding Confidence: Enter the percentage of certainty that the Requirement will be funded accordingly.
f. Estimated Requirement Funding: Enter the value of the estimated funding.
g. Contract Funding POC: Enter contact for funding of Requirement.
h. **Permit Requirement Publication to GOS:** Select 'Yes' or 'No', based on preference of whether or not data can go to the Geospatial One-Stop
i. Notes: Enter additional information pertinent to funding.

Click "Save Requirement" to submit it into the system. The requirement will be verified and the shapefiles will be validated to ensure that requirement is accurate and complete. It will then be sent to request imagery and/or future data collects.

Modifying Existing Requirements

It may be possible to make changes to already-existing requirements, depending on the status of the requirement:

1. On the CIDR Tool homepage, enter the requirement number in the “View This Requirement” box and click Go.
2. Click on the Fulfillment History tab. If the Validation Notes show ‘Validated”, no changes can be made to the requirement by the user, and you need to contact the Data Requirements Analyst to determine if changes can be made, or if a new requirement should be entered. Current Data Requirements Analyst Linda Jonescheit can be contacted at jonescheit@usgs.gov.
3. If the requirement has not yet been validated (the Fulfillment Status only shows “Requirement Entered”), changes can be made:
    a. Click ‘EDIT’.
    b. Make changes as necessary.
    c. Resubmit the requirement.

Searching Requirements

On the CIDR Tool Homepage, you can view a specific requirement by entering the requirement number in the “View This Requirement” box, and clicking Go.

You can also search all requirements by clicking “Search Requirements”. When searching requirements, all requirements will initially load in paginated lists of 10. Pagination can be turned off, and all requirements will display in one list. Requirements can be sorted by clicking on the column headings.

To select files to narrow your search, click on ‘Show Filter’. On this page you can select specific Fiscal Years, Affiliations, Departments and Agencies, as well as Date Ranges. Make your selections, and then click “Apply Filter”. The results of your search will be listed below the filter.

When the left column box of a specific requirement is checked, the originally entered shapefile boundaries are displayed in red and any data that was received for that requirement and entered into the tool (actuals) is displayed in blue. (Note: some requirements are very small and will not display on the current zoom level of the map, but when a specific requirement is viewed, the map will zoom into the requirement area).

Click “View’ in the right column to see the details of the specific requirement.

Click on “Reset Filter” to return the entire list of requirements.

Viewing Requirements

When viewing requirements, the Fulfillment History tab is displayed. This is useful to see when a requirement was validated, fulfilled and complete, or if there are changes to the requirement during the acquisition process.

You will have the following options when viewing any requirement you entered into CIDR:

1. Print: Prints all fields of the Requirement.
2. Print Summary: Prints only the Point of Contact, Program/Project name, and Project Description for data deliver purposes
3. Edit: Allows you to edit and resubmit the requirement. (See the Modifying Existing Requirements for details)
4. Copy: Creates a copy of the existing Requirement to easily modify for multiple Requirements of similar interest, point of contact, etc.
5. Forward: Allows the existing Requirement to be forwarded to the next fiscal year.

When viewing requirements entered by other users, you will only see items 1, 2, and 4 listed above. Guests will not have any options listed above.

Adding Data Received (Actuals) to Requirements

When the user receives data related to a specific requirement, it is recommended to upload the shapefile of the received data into the CIDR Tool. This is helpful when other users search requirements and provides an opportunity for partnerships to develop.

1. On the CIDR Tool Homepage, enter the requirement number and click “View This Requirement” and click Go.
2. Click on the ‘Shapefiles’ tab and then click ‘Add Actual Data’.
3. Upload the shapefile and also add details, including Area of Interest Description, Platform, Licensing and Processing levels, and Imagery Date.